A N S W E R

TO AN

ANONYMOUS LETTER

RESPECTING

JOHN FURTADO's THOROUGH BASS.

SIR,

IT ſeems by your Letter, which I have juſt received, that the very Day you purchaſed my Book, you ſtarted ſeveral Objections: viz.

I. You lower my new Doctrine of fundamental Baſſes as to the Demonſtration; but, if it be duly conſidered, you will find, that it is only demonſtrable by Induction. I own I might have given it canonically, but I preſumed *that given* was the plaineſt; and one of a common Capacity cannot fail of inveſtigating it different. However, let x and z be any two Quantities; then I ſay the Difference of $N - x$ and $N - z$ is equal to the Difference of z and x, and ſimilar, as is manifeſt: Now N muſt be variable, according

as

as the Parts x and z are concord or diſcord. But a Ninth is replicate of a Second, as Octave of Uniſon; and, ſince theſe are the principal, it is plain, when N becomes equal to 9, that the Remainders are concord when a Third is between thoſe Parts; ſo the Complements are ſimilar to thoſe Parts; (*i. e.* Concord from Diſcord leaves Concord;) but, when N, by any Motion, becomes $= 8$, and a Second is between thoſe Parts, the Complements muſt be ſimilar, or Diſcord; (*i. e.* Diſcord from Concord leaves Diſcord;) hence comes the Rule.

Q. E. D.

Corollary 1. — Since Induction proves the greateſt Remainder always to ſucceed, if you take the leaſt Part of the two from N, it will anſwer the Purpoſe; for, the greateſt Remainder is generated by the leaſt Quantity.

Corollary 2. — The Complements are contra-ſimilar (*i. e.* in the inverted Order).

By the firſt Corollary.

Corollary 3. — Putting x leſs than z, and P $=$ fund. Baſs, we have

$9 - x =$ P in Concords;

And $8 - x =$ P in Diſcords;

ſince N is variable.

II. You ſay the Rules of Modulation, given at the End, are ſufficiently demonſtrable from the very Beginning of the Book, without the Aſpects, which, applied, become only conjectural. — I grant this; for, ſince a Fifth is a Concord, a Key may go to its Fifth directly, &c. But this I thought too

plain

plain to inſert. I purpoſely treated them aſpectally that the Learner might improve; for, they help to enumerate all the Concords and Diſcords, whether ſimple or phyſical; for, the $\frac{6}{4}$ is trine to the perfect Chord, as a Fifth to Uniſon; becauſe muſical and phyſical Reckoning differ. (§. 5.)

Corol. — Hence Fund. | 3d ſex. | 5 tr. || Rep. 8 | 6th ſex. | 4 tr. || Concords;
1

and the intermediate Ones the Diſcords (*i. e.* 2 and 7).

III. If you ſtudy your Gamut well, you will ſoon know a Ninth to be replicate of a Second, which you have no Doubt forgot. — A fine Critic truly!!!

JOHN FURTADO.

Stoke-Newington,
April 5, 1798.

P. S. That the Aſpects may not be thought wholly conjectural, I ſhall demonſtrate their Properties in a future Letter.

[Entered at Stationers Hall.]

plain to you. I perfectly understand directly the Square subjoined thereto, for, they help, to demonstrate all the Circle and Diagonal Problems or Puzzles; for, the $\frac{1}{2}$ is true to the perfect Circle, as a Unit, to Unity; because until al and physical Reckoning differ. (§ 5.)

Cut. — Have I a $\left|\begin{matrix}1\\ \text{ex.}\end{matrix}\right|\left|\begin{matrix}2\text{d}\\ \text{ex.}\end{matrix}\right|\left|\begin{matrix}5\\ \text{ex.}\end{matrix}\right|\left|\begin{matrix}\text{Pr.}\\ 8\end{matrix}\right|\left|\begin{matrix}6\text{th}\\ \text{ex.}\end{matrix}\right|\left|\begin{matrix}4\\ \text{ex.}\end{matrix}\right|$ Circle;

and the in circumscribe Cuts the Diagonals (1, 2, 3 and 7).

III. If you study your Gamut well, you will soon know a Mind, to be replicate of a Second, which you have no Doubt forgot. — A fine Critic truly!!!

JOHN HURTADO.

Stoke-Newington,
April 5, 1798.

P. S. That the Algebra may not be thought wholly conjectural, I shall demonstrate their Properties in a future Letter.

[Entered at Stationers Hall.]